

THE NEW miniCU - world's smallest central unit

SMALL, PERFORMANCE AND SAFE

Thanks to the new compact central unit from the „CU3“ family, iNELS BUS can now manage optimally and comfortably not only hotel rooms, but also larger apartments or residencies - with all the advantages that the bus solution (or „wire“) brings: speed, variability, interconnection to superior systems

The new miniCU central unit together with the PS3-30 / iNELS isolator power supply takes up only 4-Modules (70mm) in the rack, but can handle up to 32 units (bus) on the bus. It is possible to connect all elements of iNELS BUS system, but most commonly GRMS controllers, switching and dimming actuators.

Built-in MODBUS protocol connected to RS485 terminals enables direct HVAC connection - if the hotel is designed differently or separately (fan coil thermostat).

Thanks to its unique address, it (miniCU) can be scaled to different ranges of master control (CU master, Bacnet, Modbus, Niagara...) and also connected to the PMS (Property Management System) of the hotel, access system (door lock) or Hospitality TV.

Width only 1M (17.5 mm).

Installation on DIN rail.

Encrypted communication by 256bit key TCP / UDP = high level secure communication.

iNELS BUS for 32 units (addresses).



Power supply DC 27V
1.5 W consumption only.

RS485 with Modbus protocol
for HVAC connection.

Indication of status.

Ethernet LAN interface
RJ45, 100 Mbps.

Possibility of control by
superior CU3-01, 02, 03.

PS3-30/iNELS - Power supply with bus separator



- PS3-30/iNELS is a switched-mode stabilized power supply 27V DC with total 30 W.
- It is used to supply central units and external masters within the iNELS wiring system.
- Part of the power supply is an integrated bus separator BPS3-01M for powering the iNELS peripheral unit of one bus.
- It is equipped with electronic protection against short-circuit, overvoltage, power and temperature overload.
- PS3-30/iNELS in 3-MODULE version is designed for mounting into a rack on a DIN rail.

Example of the installation

